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Planning

## **Supply and Delivery of a Laser Metal Deposition System**

University of Strathclyde

F01: Prior information notice

Prior information only

Notice identifier: 2021/S 000-010712

Procurement identifier (OCID): ocds-h6vhtk-02b149

Published 14 May 2021, 3:24pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

University of Strathclyde

40 George Street, Procurement Department

Glasgow

G1 1QE

#### **Contact**

Kirstie Peffers

#### **Email**

[kirstie.peffers@strath.ac.uk](mailto:kirstie.peffers@strath.ac.uk)

#### **Country**

United Kingdom

#### **NUTS code**

UKM82 - Glasgow City

**Internet address(es)**

Main address

<http://www.strath.ac.uk/>

Buyer's address

[https://www.publiccontractsscotland.gov.uk/search/Search\\_AuthProfile.aspx?ID=AA00113](https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113)

**I.3) Communication**

Additional information can be obtained from the above-mentioned address

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Education

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**Section II: Object**

**II.1) Scope of the procurement**

**II.1.1) Title**

Supply and Delivery of a Laser Metal Deposition System

**II.1.2) Main CPV code**

- 42000000 - Industrial machinery

**II.1.3) Type of contract**

Supplies

**II.1.4) Short description**

The University of Strathclyde is seeking notes of interest for the supply, delivery and commissioning of a Laser Metal Deposition system, capable of handling feedstock in the form of both wire and powder.

### **II.1.6) Information about lots**

This contract is divided into lots: No

## **II.2) Description**

### **II.2.2) Additional CPV code(s)**

- 42000000 - Industrial machinery
- 42990000 - Miscellaneous special-purpose machinery
- 38636110 - Industrial lasers

### **II.2.3) Place of performance**

NUTS codes

- UKM82 - Glasgow City

### **II.2.4) Description of the procurement**

The University is seeking notes of interest for the supply, delivery and commissioning of a Laser Metal Deposition (LMD) system for the National Manufacturing Institute of Scotland (NMIS).

A high level specification is provided below:

1. This potential tender is to procure a “Turn key” LMD system
2. The offered LMD system must have solid state fibre laser with capability for performing additive manufacturing, Cladding/deposition, localised surface treatment applications.
3. The offered LMD system must be capable of delivering a maximum laser power of up to 8 kW.
4. The offered LMD system must be a simultaneous 5 axis system with controller and functional using CAM programming packages
5. The offered LMD system must have a closed loop process control and monitoring capability.

6. The offered LMD system must be capable of handling feedstock in form of both wire and powder.
7. The offered LMD system must be able to perform cladding operations on inner diameter of components.
8. The offered LMD system must be able to handle reactive materials such as Ti, Al and other alloys
9. The offered LMD system must be capable of processing 2 powders (multiple hoppers) at the same time
10. The offered LMD system must be capable of handling components up to 1m x1m x1m (in X/Y/Z) with min. weight up to 1000 kg
11. The selected supplier is expected to carry out a SAT and deliver the equipment to the AFRC / NMIS
12. The offered Turnkey LMD system must comply to all H&S regulations for the technologies (i.e laser proof viewing window, etc.)
13. The offered turnkey LMD system must be installed onsite within 8 months of award.

### **II.3) Estimated date of publication of contract notice**

7 June 2021

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes

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## **Section VI. Complementary information**

### **VI.3) Additional information**

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

[https://www.publiccontractsscotland.gov.uk/Search/Search\\_Switch.aspx?ID=654024.](https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=654024)

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